DETERMINATION OF LOT MATERIAL SPREAD QUANTITY REQUIRED AND PAY FACTOR FOR END PRODUCT METHOD OF ACCEPTANCE AND PAYMENT FOR AC

Project No. _____ Type of Material _____

Date _____ Lot Number _____

Calculation of Quantity Required (Tons)

Laboratory Mix Design Density = _____ pounds per cubic foot

Location	Station	to	Station	Length	*Width	Average Thick. (inch)	**Calculated Cubic Foot
					Total Calculated Cubic Foot in Lot =		

Calculated Tons Requires = $\frac{\text{(Total Calculated Cubic Foot in Lot) x (Lab Mix Design Density)}}{2000}$ = _____

= $\frac{(\quad) \text{ x } (\quad)}{2000}$ = _____ ton

* For areas with varying widths, such as tapers, use average width

** Calculated Cubic Foot = (Length) x (Width) x $\frac{\text{(Average Thickness)}}{12}$

Actual Quantity Placed = _____ ton

% Variance from Quantity Reported = $\frac{\text{(Quantity Placed) - (Quantity Removed)}}{\text{(Quantity Required)}}$ x 100 = _____ %

= $\frac{(\quad) - (\quad)}{(\quad)}$ x 100 = _____ %

If the percent variance from the required quantity is more than 5.0%, no payment is made for material that exceeds 5.0% (record calculations and deductions for asphalt cement and mineral admixture in the Remarks area below). If the percent variance from the required quantity is +5.0% to -2.0%, no adjustment is made. If the percent variance from the required quantity is -2.1% to -12.0% the appropriate pay factor determined from Table 416-2 = _____

Table 416-2
Pay Factors For Material Spread

Negative Variance %	Pay Factor (Dollar)
2.1 - 3.0	- 0.10
3.1 - 4.0	- 0.20
4.1 - 5.0	- 0.30
5.1 - 6.0	- 0.40
61. - 7.0	- 0.50
7.1 - 8.0	- 0.60
8.1 - 9.0	- 0.70
9.1 - 10.0	- 0.80
10.1 - 11.0	- 0.90
11.1 - 12.0	- 1.00

Remarks: _____

Asphalt Cement Deduction (if applicable): _____ ton Mineral Admix. Deduction (if applicable): _____ ton

Contractor's Signature: _____ Inspector's Signature: _____